Service Information

Built-in Oven
AKZM 657/IX

8525 657 53000
Last Modification: 02/01/11
Creation Date: 11/27/10

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This document is only intended for qualified technicans who are aware of the respective safety regulations.
Subject to modifications

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Spare Part List

Pos	12NC	Description
0251	**4801 211 01152**	Profile
0252	**4801 211 01163**	Trim lower
0400	**4801 211 01596**	Hinge
0470	**4801 211 01154**	winge running mechanism
1100	**4801 211 01578**	Door handle
1101	**4812 466 68928**	Buffer piece door handle
1102	**4812 462 48451**	Rubber door handle
1214	**4801 211 01593**	Exhaust fume
1215	**4801 211 01615**	Spacer
1300	**4801 211 01623**	Door latch
1410	**4801 211 01592**	Oven door assembly
1420	**4801 211 01609**	Inner glass
1430	**4801 211 01611**	Door glass
1431	**4801 211 01613**	Support oven glass
1432	**4801 211 01612**	Door glass
1433	**4801 211 02664**	Support oven glass
1910	**4801 211 01583**	Gasket door
2010	**4801 211 01601**	Rear panel enamelled
2450	**4801 211 01183**	Oven shelf
2470	**4801 211 03007**	Fat pan enamelled
2480	**4801 310 00139**	Kit motor turnspit + rotary spit
2481	**4801 211 01582**	Turn spit grid
3200	**4801 211 01188**	Glass panel + frame
3201	**4801 211 01165**	Ring push-push
3320	**4801 211 01169**	Push button
3340	**4801 211 01153**	Knob push-push
3342	**4801 211 01603**	Knob
3500	**4801 211 01189**	Display G2EVO analogue
4000	**4801 310 00139**	Kit motor turnspit + rotary spit
4400	**4812 361 18492**	Motor fan
4410	**4801 211 01584**	Air cooling fan
4412	**4801 211 01151**	Gasket water leakage
4430	**4819 515 48065**	Fan 6-blades
4510	**4801 211 01186**	Heating element circular 2000W
4520	**4801 211 01585**	Heating element upper/grill 2450W
4560	**4801 211 01147**	Heating element lower 1150W
4800	**4801 211 01172**	Cable harness selector switch-display
4901	**4812 290 68255**	Clamp cable
4902	**4812 321 48026**	Cap feed through
4910	**4812 290 68329**	Connection block
5210	**4801 211 01113**	Power unit Antares configurable
5570	**4801 211 01598**	Thermostat 70°C
5571	**4812 282 28302**	Thermostat 145°C
5572	**4812 282 28346**	Thermostat 115°C
6200	**4801 211 01145**	Oven switch 11 Position
6201	**4801 211 01146**	Selector switch +/- incremental
6520	**4801 211 01148**	Lamp halogen 40W complete
6910	**4801 211 01597**	Temperature sensor
9040	**4801 211 01594**	Spacer glass door
9041	**4801 211 04065**	Damper oven door

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Pos	12NC	Description
9150	**4819 505 18145**	Nut
9227	**4819 532 28281**	Rosette
9622	**4801 211 01167**	Support push-push
9640	**4801 211 02934**	Gasket
9930	**4801 211 01185**	Spacer oven
9931	**4801 211 04721**	Kit

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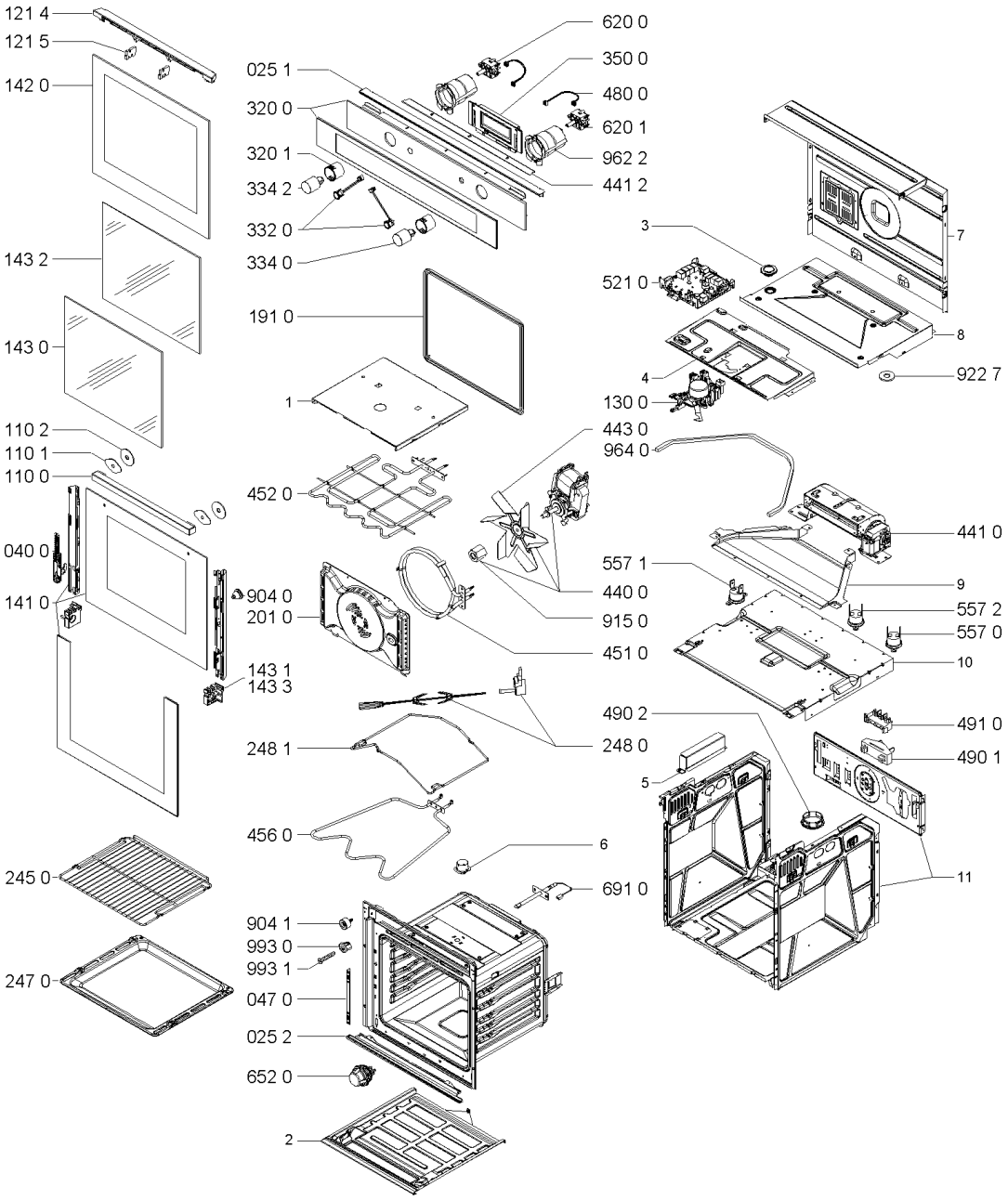
Exploded View



4000 103 68233

Technical Data

Electrical base data

Rated voltage	230-240 V~
Main connection	230-240 V 1N~50 Hz

Power Consumption

Total connected load	2700 W
Upper heating element/Grill	2450 W
Forced air	2000 W
Lower heating element	1150 W

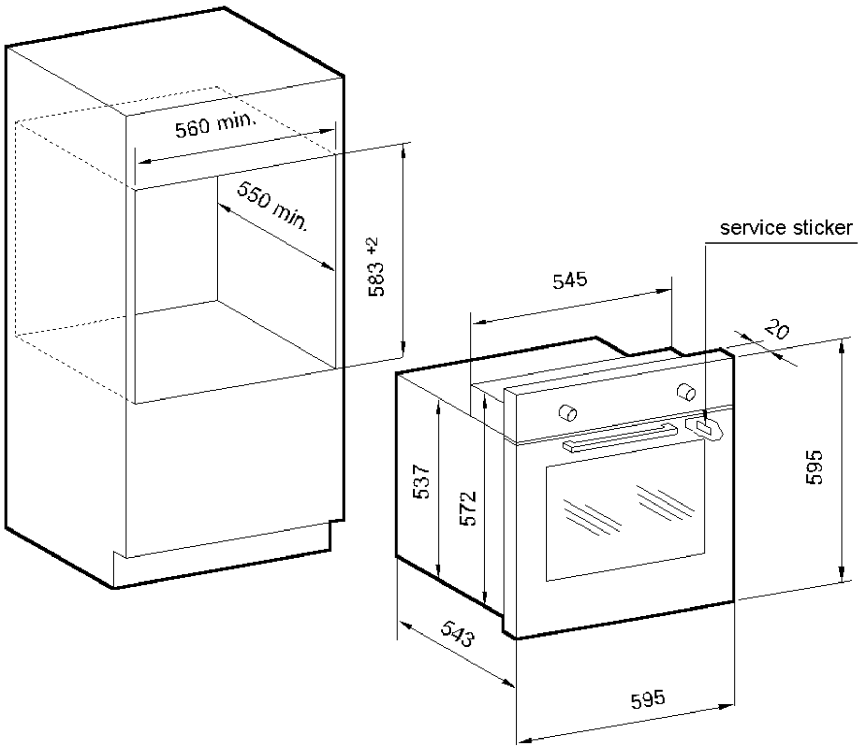
Electrical components

Auto timer	G2 EVO

Accessories

Fat pan enameled	452.5 x 375 mm
Grid chrome	451 x 375.2 mm

Dimensional Sketch



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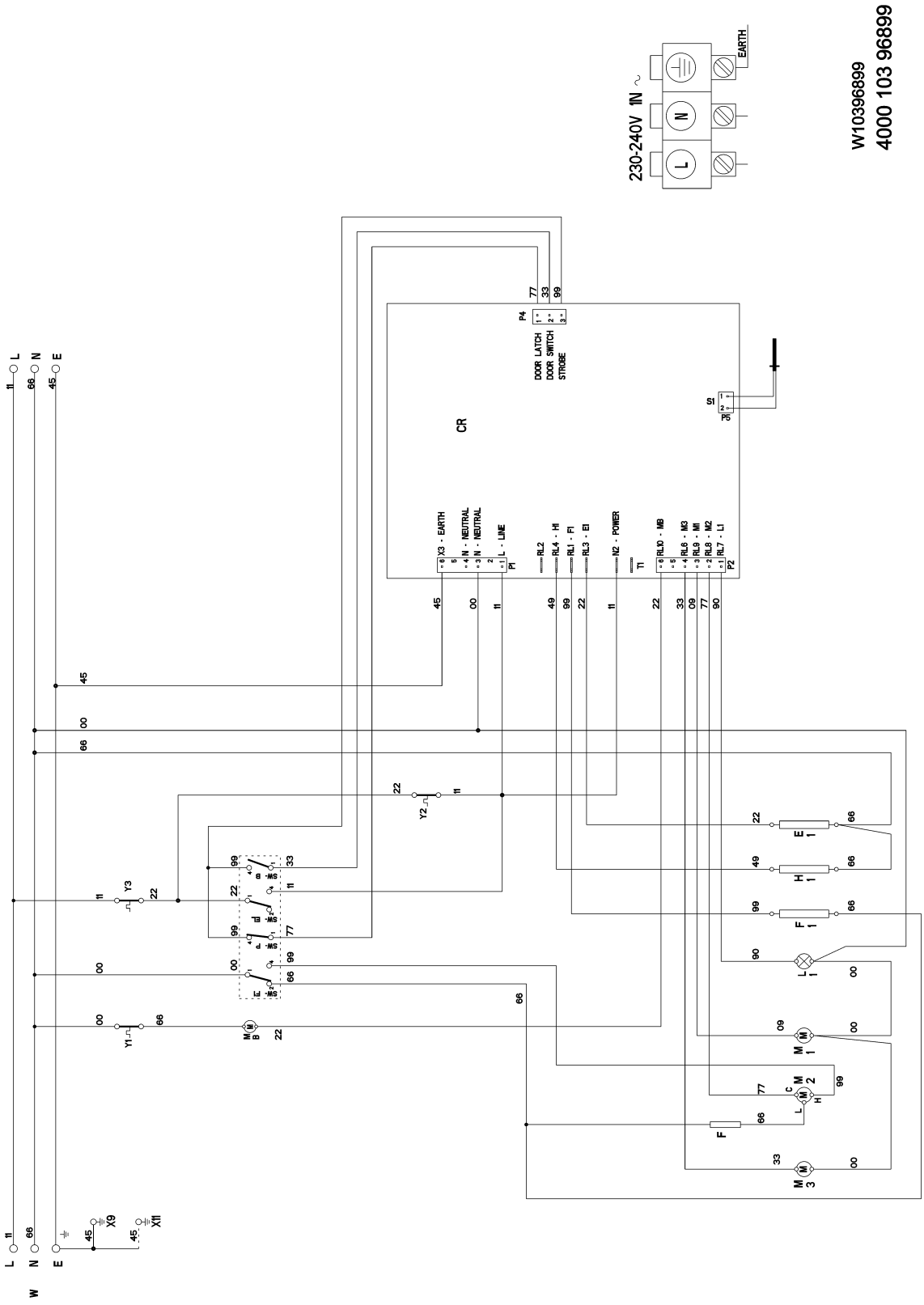
Wiring Diagram



Legend

CR	ELECTRONIC OVEN CONTROL UNIT
E1	UPPER HEATING ELEMENT
F1	CIRCULAR HEATING ELEMENT
H1	LOWER HEATING ELEMENT
L1	OVEN LAMP
M1	CAVITY FAN
M2	DUAL SPEED COOLING FAN
M3	TURNSPIT MOTOR
MB	DOOR LOCK MOTOR
F	FUSE
S	ELECTRONIC SENSOR
SW/B	DOOR LOCK SWITCH
SW/P	DOOR SWITCH
SW/EL	POWER SUPPLY ELEMENT SWITCH
SW/F1	AUXILIARY SWITCH
Y1	THERMOLIMITER
Y2	THERMOLIMITER
Y3	THERMOLIMITER
W	MAIN TERMINAL BLOCK
X1	EARTH CABINET
X9	EARTH UPPER HEATING ELEMENT

00	BLACK
11	BROWN
22	RED
33	ORANGE
44	YELLOW
55	GREEN
66	BLUE
77	VIOLET
99	WHITE
09	WHITE-BLACK
29	WHITE-RED
49	WHITE-YELLOW
69	WHITE-BLUE
90	GREY
92	PINK
45	YELLOW-GREEN

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Error Codes

Product Type	Failure Code	Failure Type	Test
All	F01	Temperature Probe	First check probe connection, if ok disconnect the probe and measure its resistance (1000Ω+3.75*Temp ambient). If value is in range change Antares / Capricorn.
All	F02	Temperature Error	Check heating elements insulation (disconnect each heating element and check each terminal for continuity to GROUND). If there is no continuity change Antares / Capricorn.
All	F03	A.M. EEPROM	Replace Capricorn or if applicable reprogram Antares EEPROM using SAM. If the problem persists change Antares.
Capricorn Only	F04	W.I.S.P. Protocol	First check connection between Capricorn and Scales. If connection is ok connect a new Capricorn to the Scales and check if the appliance works correctly. Otherwise change Scales.
Vega	F04	WIDE Communication Error	Check the connection between RX/TX and J005 on the Antares then test in the same way as F07.
Pyro	F05	Door Latch	First unplug the appliance, wait at least 10sec then reconnect. Verify that latch system works correctly (door has to be closed, motor has to run). If this happens, check the connection between Antares and door latch system. If it is ok check micro switch functionality (door switch open if the door is open and latch switch open if the door is unlocked). If switches are ok then change Antares.
Pyro	F06	Door Closure	First check connection between Antares and door latch system. If it is ok check door switch functionality (open circuit if the door is open, closed circuit if the door is closed). If switch is ok then change Antares.
All	F07	Communication UI/AM	First check connection between Antares / Capricorn & User Interface. If connection is ok connect a new User Interface to the Antares / Capricorn and check if the appliance works correctly. In this case change the User Interface on the appliance. Otherwise change the Antares / Capricorn.
TAD/ Vega	F08	UI EEPROM	Change User Interface.
TAD	F09	Communication G2SMART/Antares	First check connection between Antares & User Interface. If connection is ok connect a new G2SMART to the Antares and check if the appliance works correctly. In this case change the G2SMART on the appliance. Otherwise change the Antares.
Pyro	F10	Primary grill	First check grill connections. If it is ok disconnected the heating element and check the resistance between the terminals (approx. 22Ω ±3Ω). If the value is in range change Antares.
TAD/ Vega	F11	Communication UI/Display	First check connection between User Interface and Display. If connection is ok connect a new Display to the User Interface and check if the appliance works correctly. Otherwise change User Interface.

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Configuration code

. . . . . GE00-AN02

Service Bulletin 4812 715 40368

AUTHOR: Markus Rekittke
Last Update: 05/11/11
VERSION: 1.0
TITLE: G2EVO Display switch off
SUBJECT: Power Control Board contamination due to soldering process. Measure on G2EVO contamination level with external lab shown chloride contaminants on PCB.

- Since humidity is one external factor that can accelerate the dendrites migration, testing has been performed to asses the condensation level of the final application. Some condensation has been found on the 67L platform

Appliances involved:
AKZM 651/IX 852565129010
AKZM 654/IX 852565401000
AKZM 654/IX 852565438000
AKZM 654/IX 852565438001
AKZM 654/IX 852565438002
AKZM 654/IX 852565453000
AKZM 657/IX/01 852565701000
AKZM 657/IX 852565738000
AKZM 657/IX 852565738001
AKZM 659/IX 852565929000
AKZM 659/IX 852565929001
AKZM 750/IX 852575001000
AKZM 751/IX 852575129000
AKZM 751/IX 852575129001
AKZM 751/WH 852575129010
AKZM 751/WH 852575129011
AKZM 751/NB 852575129020
AKZM 751/NB 852575129021
AKZM 752/IX 852575229000
AKZM 752/IX 852575229001
AKZM 752/WH 852575229010
AKZM 752/NB 852575229020
AKZM 752/MR 852575229030
AKZM 755/IX 852575538000
AKZM 755/IX 852575538002
AKZM 756/IX 852575638000
AKZM 756/IX 852575638002
AKZM 756/WH 852575638010
AKZM 756/WH 852575638012
AKZM 756/NB 852575638020
AKZM 756/NB 852575638022
AKZM 756/IX 852575653000
AKZM 756/WH 852575653010
AKZM 757/IX 852575738000
AKZM 757/IX 852575738001
AKZM 760/IX 852576029000
AKZM 760/WH 852576029010
AKZM 760/NB 852576029020
AKZM 760/MR 852576029030
AKZM 762/IX 852576201000
AKZM 765/IX 852576501000
AKZM 767/IX 852576729000

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AKZM 767/WH 852576729010
AKZM 767/WH 852576729011
AKZM 767/NB 852576729020
AKZM 767/NB 852576729021
AKZM 791/IX 852579138000
AKZM 792/IX 852579229000
AKZM 792/IX 852579229001
AKZM 793/IX 852579329000
BLVE 8100/PT 855640406000
BLVE 8100/PT 855640422000
BLVE 8100/PT 855640422001
BLVE 8100/EW 855640422010
BLVE 8100/ES 855640422020
BLVE 8200/PT 855640622000
BLVE 8200/PT 855640622001
BMVE 8200/IN 855640722000
BMVE 8200/IN 855640722001
ELVE 8160/PT 855641022000
ELIE 8160/PT 855641122000
ELPE 8160 PT 855641222000
EMVE 8260/IN 855641322000
EMIE 7163/IN 855643022000
ELIE 7163/IN 855643222000
BLVE 7103/PT 855643322000
BLPE 8100 PT 855643601000
BMVE 8100/PT 855643701000
EMVD 7163/PT 855643922000
EMIE 7263/IN 855644222000
ELIE 7163/PT 855644322000
ELVD 7163/PT 855644422000
ELPE 7263/IN 855644622000
AKP 154/IX 857715429000
AKP 154/NB 857715429010
AKP 154/WH 857715429020
PCCI 812260 X 857737522000
PCCI 822260 X 857737922000
AKZ 218/IX 858521838000
AKZ 230/IX 858523029000
AKZ 230/NB 858523029010
AKZ 230/WH 858523029020
AKZ 231/IX 858523129000
AKZ 235/IX 858523515000
AKZ 236/IX 858523606000
AKZ 237/IX 858523701000
AKZ 238/IX 858523801000
AKZ 238/IX 858523801001
AKZ 239/IX 858523901000
AKZ 671/IX 858567101000
AKZ 672/IX 858567201000
AKZ 674/IX 858567401000
AKZ 675/IX 858567501000

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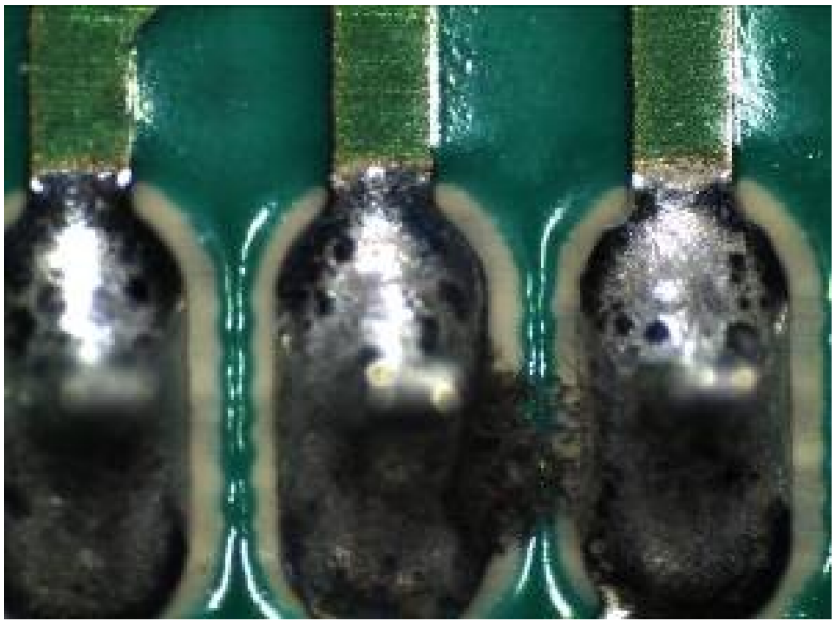
Remedial Action:

Under Circumstances it could be happen, that on the G2EVO Display Board the Above described issue could happen.
In this case please verify on the G2EVO board the soldering connection and Exchange it.



Affected are only appliances produced before wk 02/2011.

Spc Stock exchanged with modified Boards on wk05/2001.

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Service Bulletin 4812 715 40374

AUTHOR: Pasquale Lattuca
Last Update: 06/15/11
VERSION: 1.0
TITLE: New push button ring.
SUBJECT: Due to quality issue on push button ring code 4619 602 81691 / 4801 211 01165 changed production since 18.05.2011 to the new ring, order code 4801 211 02715 / 4619 602 81 681.

REMEDIAL ACTION

In case of a ring exchange, please exchange all mentioned rings from the push button.

New rings, order code 4801 211 02715 on stock since end of 2009.

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